MONTHLY WEATHER MAP

METEOROLOGICAL SERVICE, DOMINION OF CANADA

AUGUST 1930

TEMPERATURE

The persistent cool front in the region of Baffinland and the Hudson Strait, during August shifted back slightly to the east of its mean July position with somewhat diminished intensity. Temperatures averaged a little below normal for the most part in eastern Ontario, Quebec and the Atlantic Provinces as well as in western and southern Newfoundland. In the northwest one important cool period occurred near the end of the month, but generally the weather was warm from western Ontario west and northwest to the Pacific Ocean and the Great Lakes of the MacKenzie. In the western grain region the excess over normal temperature was four to six degrees in most districts.

PRECIPITATION

The month was generally dryer than usual from the Pacific Ocean eastward to the Ottawa River. Over a large part of this area the deficiency was very great. In the Lake St. John and Saguenay region of Quebec, the Gaspé peninsula and generally in New Brunswick except the extreme south, August was a month of frequent rains with the total rainfall exceeding the normal amount. In the Temiskaming region of northern Ontario rain was also heavy. In Nova Scotia there was generally a moderate deficiency.

BRITISH COLUMBIA

The month was generally two to four degrees warmer than a normal August and quite generally deficient in rainfall. Even trees were showing the effect of drought on Vancouver Island and tne lower mainland. In the Okanagan Valley the apple crop was better than last year and sufficient water for irrigation is still available while crops are generally good. Numerous forest fires have been reported from many parts of the province and have been especially serious on Vancouver Island and the lower mainland.

ALBERTA, SASKATCHEWAN and MANITOBA

Except for heavy rains in some districts from the sixteenth to the twentieth and some snow in the mountain valleys and foothills at the close of the month, August was generally dry. Warm, sunny weather prevailed generally to the twenty-ninth when frost occurred. Temperatures averaged four to six degrees above normal in most districts.

ONTARIO

In the northwest and north August was two to six degrees warmer than normally but in the southeast the month was a little cooler than a normal August. With the exception of the Lake Temiskaming region where rains were heavy, rainfall was generally light. The lower lakes drainage region received from one third to one half the usual amount.

QUEBEC

The month was frequently showery and generally cool. Rainfall was above normal in the Lake St. John and Saguenay region, the Gaspé peninsula and locally in the region north of the middle St. Lawrence.

ATLANTIC PROVINCES

In New Brunswick temperatures were generally one to three degrees below normal while in Prince Edward Island and Nova Scotia they ranged from one degree below normal to two degrees above normal. Heavy rains on the sixteenth and seventeenth in New Brunswick caused serious damage to highways and flattened much standing grain. Rainfall for the month totalled twenty to fifty per cent. excess above the normal amount. Elsewhere in these provinces rains were light and totalled twenty to seventy per cent. deficiency.

Crops in New Brunswick and Prince Edward Island are generally good but light yields are expected in Nova Scotia.

HUDSON STRAIT

Mean temperatures were about six degrees below normal at the eastern entrance and one degree below normal at the western end. At Churchill on the west coast of the Bay, temperatures were six degrees above normal.

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SPECIAL REPORTS

NOTE—Column H is Highest Temperature; Column L is Lowest Temperature; Column P is Precipitation in inches; Column I denotes total of bright sunshine in hours during the month.

BRITISH COLUMBIA

STATION	H	L	P	I	STATION	H	L	P	I	STATION	H	L	P	I
Victoria	78°	51°	0.1	325	Chilliwack	87°	43°	R		Fernie	91°	36°	0.4	
Sidney	79°	45°	0.1	316	Agassiz	88°	43°	R	215	Cranbrook	98°	33°	0.4	
Sooke	80°	44°	R		White Rock	81°	49°	0.2		Field	90°	32°	1.4	
Duncan	88°	44°	0.2		Penticton	90°	44°	0.9		Golden	93°	34°	0.5	
Alberni	97°	42°	1.2		Salmon Arm	95°	45°	0.7	275	Glacier	86°	35°	1.4	
Nanaimo	86°	52°	0.4	303	Vernon	93°	42°	0.6	292	Prince George	94°	28°	0.2	292
Vancouver	87°	48°	0.1	305	Greenwood	101°	30°	1.2		Kamloops	94°	47°	0.6	288
New Westminster	85°	50°	0.1		Grand Forks	100°	41°	0.4		Prince Rupert	80°	48°	0.8	

R denotes rainfall of less than five one-hundredths of an inch.

ALBERTA

STATION	H	L	P	I	SPECIAL REPORTS
Beaver Lodge	87°	32°	1.0	265	Light showers beginning of month, then hot and dry till 16th with occasional light showers last fortnight. Violent W.S.W. wind on 29th shattered much standing grain. Light frost end of month blackened potato fields locally.
Berwyn	90°	26°	0.7		Mostly hot and dry.
Slave Lake	83°	36°	1.5		
Grouard	88°	32°	1.8		Heavy hail locally but no damage reported.
Edmonton	88°	33°	1.4	320	Third sunniest August on record. Heavy rains 17th to 20th beneficial to late grains and truck crops. Grain reported of generally high quality.
Exshaw	87°	31°	1.5		Snowfall on 30th.
Nordegg	86°	48°	3.7		
Calmar	89°	32°	2.4		
Lake Louise	85°	25°	1.6		Snow on 30th and 31st.
Hillsdown	86°	36°	1.8		Cutting wheat August 11th, threshing 30th.
Lacombe	89°	32°	2.9		Heavy winds and fog occurred several times during the month.
Strathmore	90°	34°	1.1		Snow on 31st.
Cardston	91°	32°	0.3		One inch of snow on 30th.
Carway	93°	29°	0.7		Several violent thunderstorms, 3½ inches snow on 30th.
Pincher Creek	89°	32°	...		
Playle Creek	94°	28°	0.4		Four inches snow on 31st.
Calgary	91°	33°	1.1	260	
Macleod	94°	34°	0.4		Snow on 31st.
Wetaskiwin	86°	33°	2.7		Considerable damage by hail.
Wabamun	...	...	3.2		Heavy thunderstorms.
Craigmyle	...	...	2.3		Hail occurred but no damage reported.
Cowley	...	...	0.7		Unusually dry and warm month hastened harvesting of grain which was completed before the storms on 31st accompanied by snow. Hay short.
Coleman	...	...	0.9		Hail and snow at the end of the month but no damage reported.
Rocky Mountain House	82°	29°	4.0		Heavy thunderstorms with hail and snow at the close of the month.
High River	92°	30°	0.5		Three inches of snow on 30th.
Claresholm	94°	31°	0.6		
Raymond	98°	34°	0.5		
Medicine Hat	97°	41°	1.2		Some damage by hail.
Jenner	96°	32°	1.5		
Winnifred	...	...	0.4		
Seven Persons	...	...	1.8		
Alsask	92°	28°	1.7		
Threehills Creek	93°	34°	1.2		
Naco	91°	24°	0.5		
Lougheed	...	...	1.2		Frost on 31st.
Pemukan	...	...	0.5		Slight damage by frost on 30th to standing grain.
Hanna	93°	30°	1.7		Some damage by hail and lightning.
Holden	88°	29°	1.4		

SASKATCHEWAN

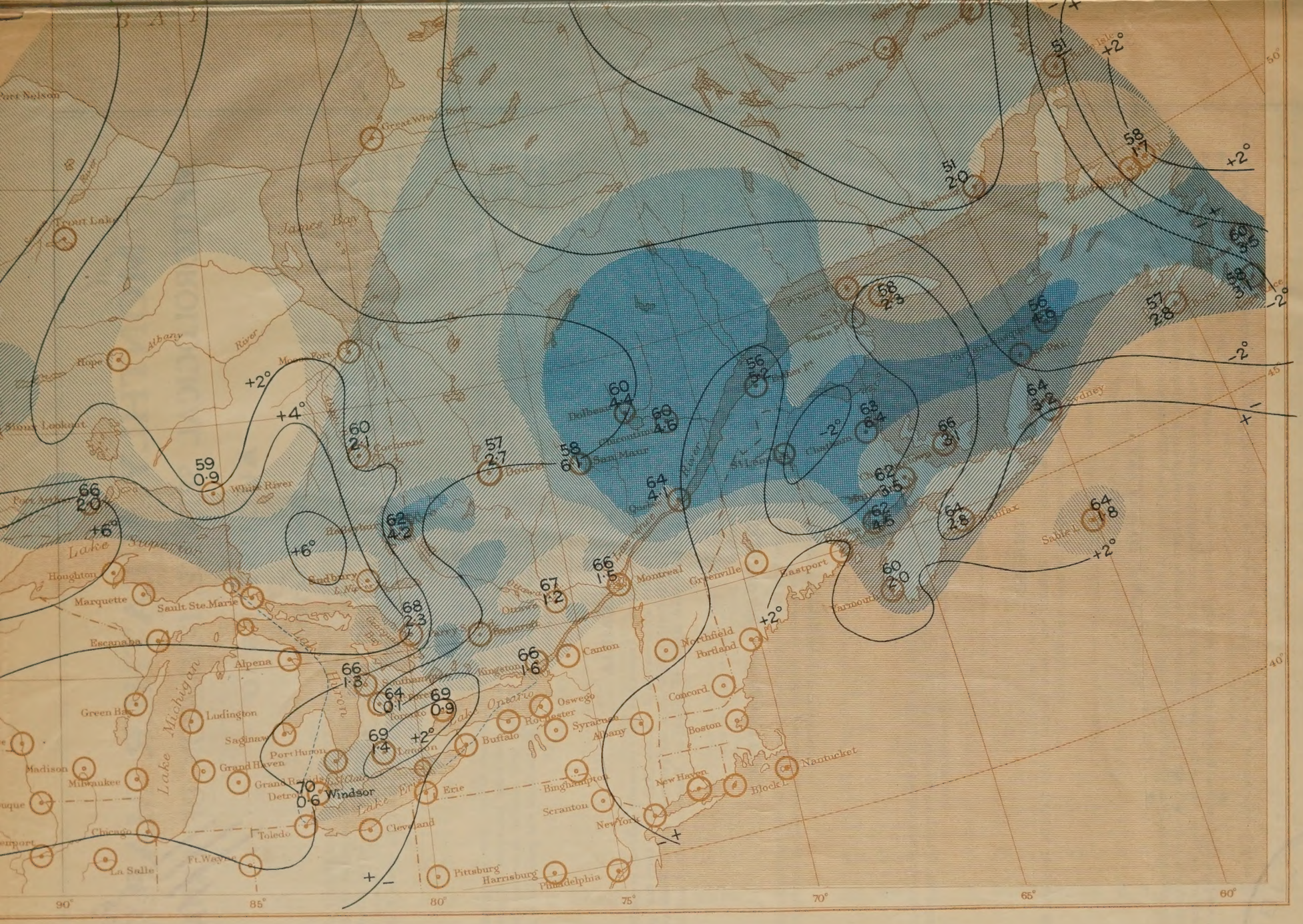
Waseca	84°	31°	1.3		Rain and wind interfered somewhat with harvesting. Most of the wheat cut and samples good.
Battleford	95°	34°	0.2		Eighty per cent of the wheat cut and five per cent has been threshed. Wheat yields average 25 bushels per acre.
Scott	92°	28°	1.1	290	
Rosetown	95°	30°	0.4		Forty per cent of the wheat has been threshed, samples good.
Prince Albert	96°	36°	0.9		Cutting of all grain practically complete and threshing commenced. Yields have been good. The fire hazard was serious until the 29th.
Dundurn	99°	30°	0.8		Threshing general in this district.
Muenster	96°	32°	1.0		Crop mostly cut, some damage from rust.
Quill Lake	91°	35°	0.6		Splendid crop, seldom had better. Five per cent damage from rust.
Ft. Qu Appelle	103°	38°	1.2		Threshing general by the 29th, wheat samples are fair.
Moose Jaw	97°	40°	1.1	303	Owing to drought and hot winds crops generally poor. Wheat averages 5 or 6 bushels to the acre.
Swift Current	95°	33°	1.5	306	Cutting 90% complete, 25% threshed. Wheat averages 12 bushels per acre, mostly grade 2. Barley and oats are patchy, mostly cut for feed.
Gravelbourg	97°	25°	0.3		
Qu'Appelle	95°	40°	1.0	287	Month hot and dry. Crops poor.
Whitewood	95°	40°	0.5		Cutting nearly complete and 20% threshed. Yield about average.
Francis	96°	39°	1.4		Crop poor on account of drought with considerable damage from rust.
Carlyle	95°	35°	0.6		Cutting of all grains finished August 28th. Rye yields 8 to 20 bushels per acre, oats fair, 15% of the barley unmarketable. No wheat yet threshed but estimate damage from rust will run from 25% to 75%.
Chaplin	96°	30°	1.3		Crop very light
Assiniboia	95°	38°	0.3		Seventy per cent of the wheat has been threshed and averages only 3 to 8 bushels per acre.
Grenfell	97°	37°	0.6		Crops fair to average

MANITOBA

STATION	H	L	P	I	SPECIAL REPORTS
Winnipeg	92°	44°	1.0	313	
Le Pas	92°	40°	0.9		
Minnedosa	93°	37°	0.9		Cutting began on 8th, yield and grade poor. Considerable rust. Hay excellent. Threshing started.
Treesbank	98°	39°	0.4		
Brandon	96°	35°	0.4	291	Generally hot and dry. Threshing in progress. Crop practically all cut. Pastures and gardens suffering from drought.
Oak Bank	89°	46°	0.9		During August much damage from rust was suffered by the bulk of the later crops. Threshing is well started.
Russell	95°	36°	0.8		Crops good. About 10 days earlier than last year.
Morris	95°	52°	0.1		Gardens suffering from drought. Crops fairly good. Some damage from rust.
Treherne	94°	36°	0.7		Wheat cutting started August 2nd, threshing 16th. Some fields badly rusted but most grain yielding and grading well, some fields of summer fallow yielding 40 or more bushels per acre. Oats and barley good.
Morden	90°	45°	0.6		Threshing 75% completed. Fall ploughing started. Too dry for cultivation of land.
Morden(Exp.Farm)	95°	44°	0.4	289	
Pinawa	88°	39°	0.5		
Sprague	88°	34°	1.1		
Portage la Prairie	95°	49°	0.2		
Great Falls	90°	50°	...		
Dauphin	97°	43°	0.8		
Pierson	98°	38°	0.5		
Virden	98°	41°	1.0		
Cypress River	94°	42°	0.4		
Birtle	93°	37°	0.7		Good harvesting weather. Much barley and oats injured by hot dry periods and rust. Wheat yields vary considerably. Early varieties escaped damage from rust. Threshing began on 22nd and will be general by September 2nd. Practically all cutting done by 31st.

ONTARIO

Quorn	90°	32°	0.8		
Port Arthur	89°	45°	2.0		All crops good. All rivers and streams are low and many wells have gone dry.
Cochrane	86°	37°	2.1		
Ruel	91°	30°	2.1		Blueberries and raspberries plentiful.
Haileybury	86°	44°	4.2		Hay mostly cut. Grain is ripening fast but unevenly.
Parry Sound	83°	45°	2.3		Corn late, apples good, hay only fair, oats promising, market gardens have had excellent crops.
Beatrice	82°	36°	2.2		
Scotia Junction	81°	43°	3.0		Potatoes and roots are a good crop but need rain. Pastures drying.
Beeton	96°	42°	1.2		Harvest finished and winter wheat partly sown. Root crop improved.
Barrie	89°	43°	2.9		
Walkerton	92°	42°	0.9		Corn is very short, barley and oats good. Wheat was patchy. Sowing of winter wheat is delayed and the acreage will be reduced.
Mount Forest	91°	33°	0.1		This has been the driest August on record but the harvest has been very good and roots are still doing well. Waiting for rain before beginning fall ploughing.
Alton	91°	38°	1.5		Generally very dry. Apples very small and falling from the trees.
Woodstock	92°	41°	1.3	257	Began cutting oats. Second crop of hay is a failure and alfalfa is very short. Pastures have improved since the rain of the 25th which was accompanied by hail and some local damage by lightning.
Southampton	84°	42°	1.3		The yield of grain has been very good and oats the best in years. Fruit is scarce and root crops need rain.
Brucefield	91°	38°	0.4		Crops have been very good but pastures are badly burned.
London	97°	40°	1.4		Six weeks of very dry weather have badly injured all vegetables and vines.
Paris	97°	43°	1.4		
Harrow	96°	46°	0.3	271	
Simcoe	94°	38°	0.7		Corn and tomatoes will be only half a crop on account of the long drought. Apple yield very light. Pastures bad. Tobacco now being harvested, some of it has been badly hailed. Late potato crops not promising well.
Toronto	95°	46°	0.9	245	
Peterboro'	90°	41°	1.7		Rain badly needed.
Bloomfield	90°	39°	0.8		
Queensboro'	87°	38°	1.8		All grains have yielded excellently, oats and barley being especially heavy. Some fields of oats have yielded 60 to 70 bushels per acre. Early potatoes were good but late crops somewhat doubtful. Apples poor, ensilage corn good.
Kingston	82°	46°	1.6	250	Crops generally good and root crops fair.
Morrisburg	85°	40°	2.3		Harvesting completed on the 30th.
Brockville	87°	45°	1.9		Crops generally good except corn. Haying finished.
Ottawa	87°	42°	1.2		
Ottawa(Exp.Farm)	86°	37°	1.2	247	In this vicinity weather has been ideal for harvesting grain.
Renfrew	88°	44°	1.5		
Pembroke	88°	40°	2.0		Grain all cut and threshing begun.
Clontarf	89°	41°	2.2		


Port Nelson
Great Whale River
Trout Lake
James Bay
Albany River
Rupert
Moose Fort
Sioux Lookout
White River
Port Arthur
Lake Superior
Houghton
Marquette
Sault Ste. Marie
Escanaba
Alpena
Green Bay
Ludington
Saginaw
Port Huron
Madison
Milwaukee
Grand Haven
Detroit
Windsor
Chicago
Toledo
Cleveland
La Salle
Ft. Wayne
Erie
Pittsburg
Harrisburg
Philadelphia
Lake Michigan
Lake Huron
Lake Erie
Lake Ontario
Sudbury
Toronto
Kingston
Ottawa
Montreal
Oswego
Rochester
Syracuse
Albany
Buffalo
Binghampton
Scranton
New York
Canton
Greenville
Eastport
Northfield
Portland
Concord
Boston
New Haven
Block I.
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+2°
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64 4·1
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90°
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80°
75°
70°
65°
60°
50°
45°
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ER MAP
T 1930
from normal mean temperature; also total precipitation
month.
Ellesmere Island
Pond Inlet
Godhaven
Angmagsalik
Godthaab
Julianehaab
Resolution
Port Burwell
Nottingham I.
Cape Wolstenholme
Wakeham
Fort Harrison
HUDSON'S
90°
85°
80°
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65°
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55°
50°
45°
40°
35°
60°
55°
-4°
-2°
+2°
-6°
+4°

REFERENCES.

The upper Figures give the mean Temperature.

The lower Figures give the precipitation in inches.

The Black lines shew the difference from the normal mean Temperature.

The shading shews approximately the precipitation of the month.

- Less than 1 inch.
- Less than 2 inches.
- Less than 3 inches.
- Less than 4 inches.
- More than 4 inches

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Chart shewing the mean temperature and the difference
of the
150°
145°
140°
130°
125°
120°
115°
110°
105°
100°
95°
60°
55°
Herschell I.
Fort Yukon
Eagle
Dawson
Mayo
Good Hope
Great Bear Lake
Norman
Mackenzie River
Simpson
Liard River
Peace River
Athabasca
Cambridge Bay
Coppermine R.
Sitka
Valdez
Mt Pierson
Ukiavik
-2°
-1
+
+2°
+4°
+6°

QUEBEC

STATION	H	L	P	I	SPECIAL REPORTS
Macdonald College	84°	45°	0.9		Exceptionally dry month, all crops are good.
Montréal	85°	50°	1.5	201	
Farnham	84°	39°	1.0	225	Tobacco cutting now in progress and second cutting of hay completed in some places.
Mont Laurier	82°	41°	1.4		
Huberdeau	86°	39°	2.5		Harvesting has been difficult on account of frequent rains.
Sorel	86°	43°	3.0		Crops are good although damaged by hail on August 5th.
St. Gabriel de Brandon	80°	38°	4.9		The unusually wet August has damaged roots and vegetables.
Drummondville	86°	40°	1.7		Potatoes and tomatoes have been injured by heat and drought during the last two weeks. Vegetables in some places have been injured by caterpillars.
Donnacona	83°	46°	3.7		Corn and tomatoes plentiful and of good quality. Oats and barley good, potatoes scarce and poor.
Sherbrooke	81°	45°	2.5	233	Crops generally good and hay exceptionally good.
Lennoxville	87°	42°	3.5	240	Grain yielding well, corn and roots fair, vegetables very good. Second cutting of hay very good.
Brome	81°	33°	1.9		
Cedars	83°	44°	1.7		Crops very good, haying finished.
Beauceville	84°	42°	2.1		Harvest good.
Lake Mégantic	80°	...	1.9		Crops good
Joliette	83°	43°	2.8		The harvest is late and farm work delayed with some loss of grain on account of frequent rains.
St. Lin des Laurentides	85°	40°	2.7		The yield of grain has been heavy and of good quality in spite of some damage by grasshoppers.
Québec	79°	47°	4.1	195	Rain on 15 days. Grain, vegetables, roots and pastures good, small fruits abundant.
Nicolet	84°	43°	3.3		Crops are generally good. Haying finished and cutting of grain commencing.
Armagh	69°	25°	4.0		
St. Joachim	79°	45°	4.8		
Cap Rouge	80°	46°	2.8	188	Frequent rains have injured potatoes. Ensilage corn good on dry lands. Roots good. Only a few fields of oats yet cut.
Chicoutimi	80°	43°	4.6		
Roberval	89°	52°	4.8		The yield of grain has been less than average. Hay has been heavy but somewhat damaged by frequent rains. Vegetables good.
Albanel	83°	39°	4.6	183	Grain cutting commenced. Haying delayed by frequent rains.
Dolbeau	83°	38°	4.4		Growth good.
Sanmaur	83°	35°	6.1		Waters in lakes and streams high.
Maniwaki	85°	36°	2.1		Crops generally heavy and of good quality
Abitibi	85°	41°	1.4		Crops below average. Ground dry, ploughing impossible till rains come. Strong wind with hail on August 4th blew down some barns. Pastures short.
Ville Marie	84°	40°	2.4		Haying finished August 25th. Cutting grain August 22nd. Vegetable crops extra good.
Bicquet	...	...	4.7		Haying difficult on account of frequent rains, with injury to quality. Cereals late and in poor condition on account of rain and cool weather but may yield about average if dry warm weather continues. Some injury to potatoes by blight.
Lucerne	...	...	...		Haying finished August 16th. Cutting of grain finished August 29th. Small fruits plentiful. Threshing began August 21st.

ATLANTIC PROVINCES

St. John	80°	48°	4.5	242	Crops in excellent condition. Harvesting general.
Aroostook	85°	40°	4.2		Vegetables a good crop, grain a heavy crop. Harvesting has commenced. Potatoes damaged by rot in some places. August was showery and somewhat cloudy. St. John River very high for this time of year.
Bathurst	86°	43°	4.7		All crops doing well.
Chatham	83°	42°	6.4		Harvesting commenced on 24th. Much grain damaged by heavy rainfall 16th and 17th. Potatoes blighted in this section.
Edmundston	80°	39°	7.9		
Fredericton	84°	43°	4.5	230	August generally fine and warm. Harvesting under favorable conditions. Crops doing well.
Fredericton (Experimental Farm)	85°	43°	3.7	223	A very good month for harvesting. Grain crop good.
Grand Falls	79°	42°	6.2		
Gagetown	85°	45°	6.5		Exceptionally heavy rainfall. Grain and root crops turning out well.
Harvey	84°	45°	2.2		
Moncton	86°	39°	3.5		
Musquash	83°	38°	4.8		Vegetation good.
McAdam	85°	41°	2.0		Very warm month. Wells going dry.
Rexton	84°	43°	3.9		Harvesting general. Root crops in excellent condition.
Sussex	86°	40°	2.4		Hay crop harvested. Grain and potatoes in good condition.
Woodstock	87°	43°	3.8		Harvesting nearly completed, good crop. Potatoes shewing some rot.
Halifax	85°	46°	2.8		
Digby	80°	44°	2.7		August was exceptionally dry and warm. Vegetation suffering from lack of rain.
Kentville	85°	41°	2.1	214	
Liverpool	83°	37°	3.0		Average crop of small fruits. Garden crops sufferlng from lack of rain.
Nappan	84°	41°	2.3	255	Excellent harvest weather during August. Eighty-five per cent. of grain cut, fifty per cent. stored, yield about average. Roots and sunflowers for ensilage making good growth. More rain would be beneficial. Pastures fair.
Sydney	83°	48°	3.2		All crops good.
Upper Stewiacke	88°	38°	1.2		Grain nearly all harvested. Pastures very dry.
Wolfville	83°	45°	1.2	248	Vegetation is drying up or maturing early from lack of rain. Pastures, fields, and all crops in many sections are shewing the effects of prolonged drought. Yield of field and garden crops will be light and orchards are much below the average.
Yarmouth	74°	44°	2.0		August was a fine dry month with unusual heat tempered by fogs. Good yield of blueberries. Roots, grain, and fall feed fair.
Annapolis Royal	81°	44°	2.0		
Charlottetown	83°	53°	2.6		
Charlottetown (Experimental Farm)	83°	49°	3.1	262	Fair grain crop, ripened very early. Harvest practically completed under ideal weather conditions. Corn excellent. Potatoes ripening and some harvesting reported.